

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/562,627A
Source: TFWP
Date Processed by STIC: 07/10/2006

ENTERED



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/562,627A

DATE: 07/10/2006

TIME: 10:45:45

Input Set : F:\Substitute CRF Seq Listing 6-05-2006.txt
 Output Set: N:\CRF4\07102006\J562627A.raw

3 <110> APPLICANT: CHOE, Mu-Hyeon
 4 CHOI, Seong-Hyeok
 5 LEE, Yong-Chan
 6 KWON, Hye-Won
 7 WON, Jae-Seon
 8 YU, Mi-Hyun
 9 SONG, Jeong-Hwa
 10 KIM, Yong-Jae
 12 <120> TITLE OF INVENTION: The Dimer of Chimeric Recombinant Binding
 13 Domain-Functional Group Fusion formed via
 14 Disulfide-bond-bridge and The Process
 15 For Producing The Same
 17 <130> FILE REFERENCE: 428.1060
 19 <140> CURRENT APPLICATION NUMBER: US 10/562,627A
 20 <141> CURRENT FILING DATE: 2005-12-22
 22 <150> PRIOR APPLICATION NUMBER: PCT/KR2004/001595
 23 <151> PRIOR FILING DATE: 2004-06-30
 25 <150> PRIOR APPLICATION NUMBER: KR2003-0043599
 26 <151> PRIOR FILING DATE: 2003-06-30
 28 <160> NUMBER OF SEQ ID NOS: 12
 30 <170> SOFTWARE: KopatentIn 1.71
 32 <210> SEQ ID NO: 1
 33 <211> LENGTH: 1749
 34 <212> TYPE: DNA
 35 <213> ORGANISM: Artificial Sequence
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 37 <223> OTHER INFORMATION: pMC74 plasmid coding sequence
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 42 ctctcctgtg caacccctgg attcaacttc agtactatt acatgtattt ggttcggcag 120
 44 actccagaga agaggctgga gtgggtcgca tacatttagta atgatgatag ttccggccgt 180
 46 tattcagaca ctgtaaaaggg ccgggttaccatctccagag acaatgccag gaacaccctc 240
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 56 tggaaactctg gatccctgtc cagcgggtgtg cacacattcc cagctgtcct gcagtctgac 540
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 60 acctgcaacg ttgcccaccc ggccagcagc accaagggtgg acaagaaaaat tgtgcccagg 660
 62 gattgtggta gtaaggcttag cataagtaca aaagcttccg gaggtcccgaa gggccggcagc 720
 64 ctggccgcgc tgaccgcgc ccaggcttgc caccgtccgc tggagacttt caccgtcat 780
 66 cgccagccgc gcccgtggga acaactggag cagtgcggct atccggtgca gcccgtggtc 840
 68 gcccttacc tggccgcgc gctgtcggtt aaccaggatcg accaggatcg ccgcaacgcc 900

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| 72 | gcccgtctgg | ccctgaccct | ggccgcccgc | gagagcgagc | gcttcgtccg | gcagggcacc | 1020 |
| 74 | ggcaaacgacg | aggccggcgc | ggccaacggc | ccggcggaca | gccccgacgc | cctgctggag | 1080 |
| 76 | cgcactatc | ccactggcgc | ggagttcctc | ggcgacggcg | gcgacgtcag | cttcagcacc | 1140 |
| 78 | cgcggcacgc | agaactggac | ggtggagcgg | ctgctccagg | cgaccgcaca | actggaggag | 1200 |
| 80 | cgcggctatg | tgttcgtcgg | ctaccacggc | accttcctcg | aagcggcgcga | aagcatcgta | 1260 |
| 82 | ttcggcgggg | tgcgcgcgcg | cagccaggac | ctcgacgcga | tctggcgcgg | tttctatata | 1320 |
| 84 | gccccgatc | cggcgctggc | ctacggctac | gcccaggacc | aggaacccga | cgcacgcggc | 1380 |
| 86 | cggatccgca | acggtgccct | gctgcggggtc | tatgtgccgc | gctcgagcct | gccggcttc | 1440 |
| 88 | taccgcacca | gcctgaccct | ggccgcgcgg | gaggcggcgg | gcgaggtcga | acggctgatc | 1500 |
| 90 | ggccatccgc | tgcgcgtcgc | cctggacgc | atcaccggcc | ccgaggagga | aggcgggcgc | 1560 |
| 92 | ctggagacca | ttctcggtc | gcccgtggcc | gagcgcaccc | tggtgattcc | ctcggcgatc | 1620 |
| 94 | cccacccgacc | cgcgcaacgt | cggcgccgac | ctcgaccctgt | ccagcatccc | cgacaaggaa | 1680 |
| 96 | caggcgatca | gcccctgcc | ggactacgc | agccagcccg | gcaaaccgc | gcccggaggac | 1740 |
| 98 | ctgaagtaa | | | | | | 1749 |
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| 102 | <211> | LENGTH: | 1764 | | | | |
| 103 | <212> | TYPE: | DNA | | | | |
| 104 | <213> | ORGANISM: | Artificial Sequence | | | | |

W--> 105 <220> FEATURE:

106 <223> OTHER INFORMATION: pMH21 plasmid coding sequence

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| 111 | ctctccttgt | caacctctgg | attcaacttc | agtactatt | acatgtatttgc | gttgcgcag | 120 |
| 113 | actccagaga | agaggctgg | gtgggtcgca | tacatttagt | atgtatgtat | ttccgcgcgt | 180 |
| 115 | tattcagaca | ctgtaaaagg | ccgggttcc | atctccagag | acaatgcgcag | gaacaccctc | 240 |
| 117 | tacctgcaaa | tgagccgtct | gaagtctgag | gacacagcc | tatattcctg | tgcaagagga | 300 |
| 119 | ctggcctggg | gagcctgg | tgcttactgg | ggccaaggga | ctctggtcac | tgtctctgca | 360 |
| 121 | gccaaaacga | cacccttccat | tgttatcc | ctggccctgt | gatctgtc | ccaaactaac | 420 |
| 123 | tccatggta | ccctggatg | cctggtaaag | ggctatttcc | ctgagccagt | gacagtgacc | 480 |
| 125 | ttggactctg | gatccctgtc | cagcgggtgt | cacacccctc | cagctgtc | gcaactgtac | 540 |
| 127 | ctctacactc | tgagcagtc | agtactgtc | ccctccagca | cctggccctg | cgagaccgtc | 600 |
| 129 | acctgcaacg | ttgcccaccc | ggccagcagc | accaagggtgg | acaagaaaat | tgtccccagg | 660 |
| 131 | gattgtggta | gtaa | gccttg | cataagtaca | aaagcttctg | gtgggtggcgg | 720 |
| 133 | cccgaggccg | gcagcctggc | cgcgtgacc | gcccaccat | gttgcgcac | gcccgtggag | 780 |
| 135 | actttcaccc | gtcatcgca | ggccgcgcggc | tggaaacaac | tggagcgtg | cggtatccg | 840 |
| 137 | gtgcagcggc | tggcgtccct | ctacctggcg | gcccggctgt | cgtggaaacca | ggtcgaccag | 900 |
| 139 | gtgatccca | acgcccctggc | cagcccccggc | agccggccggc | acctggcgca | agcgatccgc | 960 |
| 141 | gagcagccgg | agcaggcccg | tctggccctg | accctggccg | ccggccgagag | cgagcgcttc | 1020 |
| 143 | gtccggcagg | gcaccggca | cgacgaggcc | ggccgcggcca | acggcccccgc | ggacagcggc | 1080 |
| 145 | gacgcctgc | tggagcgc | ctatccact | ggccgggtgg | agccggctgt | ccaggcgcac | 1140 |
| 147 | gtcagctca | gcacccgcgg | cacgcagaac | tggacgggtgg | agccggctgt | ccaggcgcac | 1200 |
| 149 | cgccaaactgg | aggagcgcgg | ctatgtttc | gtccggctacc | acggccatctt | cctcgaagcg | 1260 |
| 151 | gcccggcagg | gcaccggca | gggggtgc | gcccggcggcc | aggacctcg | cgcgatctgg | 1320 |
| 153 | cgccgttct | atatcgccgg | cgatccggcg | ctggccctacg | gtacccca | ggaccaggaa | 1380 |
| 155 | cccgacgcac | gcccggat | ccgcaacgg | gcctgtcg | gggtctatgt | gcccgcgtcg | 1440 |
| 157 | agcctgcgg | gttctaccg | caccagctg | accctggccg | gcccggaggc | ggccggcggag | 1500 |
| 159 | gtcgaacggc | tgtatcgcc | tccgtcg | ctgcgcctgg | acgcccac | cgcccccgag | 1560 |
| 161 | gaggaaggcg | ggccctgg | gaccattctc | ggctggccgc | tggccgagcg | caccgtgg | 1620 |

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167 cccgcgcgc aggacctgaa gtaa                                1764
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171 <211> LENGTH: 1749
172 <212> TYPE: DNA
173 <213> ORGANISM: Artificial Sequence
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175 <223> OTHER INFORMATION: pCE2 plasmid coding sequence
177 <400> SEQUENCE: 3
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182 actccagaga agaggctgga gtgggtcgca tacatttagta atgatgatag ttccgcgc      180
184 tattcagaca ctgtaaaggc ccgggttaccat atctccagag acaatgcgcg gaacaccctc      240
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188 ctggcctggg gagcctgggt tgcttactgg ggccaaggga ctctggtcac tgtctctgca      360
190 gccaaaacga cacccccatac tgtctatcca ctggccctg gatctgtgc ccaaactaac      420
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200 gattgtggta gtaaggcttg cataagtaca aaagcttccg gaggtcccg gggggcagc      720
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228 gcccattccgc tgccgtcgat cctggacgc atcaccggcc cggaggagga aggcggcgc      1560
230 ctggagacca ttctcggtt gggcgtggcc gagcgcacccg tggatgtcc ctggcgcgatc      1620
232 cccaccgacc cggcacaacgt cggcggcgc acctgcacccgt ccagcatccc cgacaaggaa      1680
234 caggcgcatac ggcgcctgcg ggactacgcg agccagcccg gcaaaaccgcg ggcgcaggac      1740
236 ctgaagtaa
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240 <211> LENGTH: 672
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
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244 <223> OTHER INFORMATION: pMC75 plasmid coding sequence
246 <400> SEQUENCE: 4
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255 atcagcagag tggaggtcgta gatatctggg gtttattact gcttcagg ttcacatgtt 300
257 ccattcacgt tcggctcggg gacaaagttg gaaataaaac gggctgtgc tgccacaact 360
259 gtatccatct tcccaccatc cagtgagcag ttaacatctg gaggtgcctc agtctgtgc 420
261 ttcttgaaca acttctaccc caaagacatc aatgtcaagt ggaagattga tggcagtgaa 480
263 cgacaaaatg gcgtcctgaa cagttggact gatcaggaca gcaaagacag caccctacagc 540
265 atgagcagca ccctcacgtt gaccaaggac gagtatgaac gacataacag ctatacctgt 600
267 gaggccactc acaagacatc aacttcaccc attgtcaaga gcttcaacag gaatgagtgt 660
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273 <211> LENGTH: 2454
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275 <213> ORGANISM: Artificial Sequence

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277 <223> OTHER INFORMATION: pLSC52 plasmid coding sequence

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290 ctggcctggg gaggctgggt tgcttactgg ggccaaggga ctctggtcac tgtctctgca 360
292 gccaaaacga cacccccattc tgtctatcca ctggccctgt gatctgtgc ccaaactaac 420
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| 346 | gchgccagcc | aggacctcga | cgcgatctgg | cgccgtttct | atatcgccgg | cgatccggcg | 2040 |
| 348 | ctggcctacg | gctacgccc | ggaccaggaa | cccgacgcac | goggccggat | ccgcaacggt | 2100 |
| 350 | gccctgtcg | gggtctatgt | gcccgctcg | agcctgcccgg | gcttctaccg | caccagcctg | 2160 |
| 352 | accctggccg | cgccggaggc | ggcgggcccag | gtcgaacggc | tgatcgccca | tccgctgccc | 2220 |
| 354 | ctgcgcctgg | acgccccac | cgccccccag | gaggaaggcg | ggcgccctgg | gaccatttctc | 2280 |
| 356 | ggctggccgc | tggccgagcg | caccgtggtg | attccctcg | cgatccccac | cgaccggcgc | 2340 |
| 358 | aacgtcgccg | gchgacctcga | cccggtccagc | atccccgaca | aggaacaggc | gatcagcgcc | 2400 |
| 360 | ctgcgggact | acgcccccca | qcccgccaaa | ccggccgcgc | aggacctgaa | gtaa | 2454 |

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| 373 | cctggagggt | ccctgaaaact | ctcctgtgca | acctctggat | tcactttcag | tgactattac | | 120 | |
| 375 | atgtattggg | ttcgccagac | tccagagaag | aggctggagt | gggtcgata | cattagtaat | | 180 | |
| 377 | gatgatagtt | ccgcccctta | ttcagacact | gtaaaagggcc | ggttcaccat | ctccagagac | | 240 | |
| 379 | aatgccagga | acaccctcta | cctgcaaatg | agccgtctga | agtctgagga | cacagccata | | 300 | |
| 381 | tattctgtg | caagaggact | gccctggga | gcctggtttgc | cttactgggg | ccaagggact | | 360 | |
| 383 | ctggtaactg | tctctgcagc | caaaacgaca | cccccatctg | tctatccact | ggcccctgga | | 420 | |
| 385 | tctgctgccc | aaactaactc | catggtgacc | ctggatgccc | tggtcaaggg | ctatttccct | | 480 | |
| 387 | gagccagtga | cagtgacctg | gaactctgga | tccctgtcca | gcggtgtgca | cacccccc | | 540 | |
| 389 | gctgtcctgc | agtctgacct | ctacactctg | agcagctcag | tgactgtccc | ctccagcacc | | 600 | |
| 391 | tggcccagcg | agaccgtcac | ctgcaacggtt | gcccacccgg | ccagcagcac | caaggtggac | | 660 | |
| 393 | aagaaaatttgc | tgcccaggga | ttgtgggtgt | aagccttgca | tagctacaca | agcttccggt | | 720 | |
| 395 | gggtggcggt | ctggagggtgg | cggaagcgga | ggtcccgagg | tgacaggggg | aatggcaagc | | 780 | |
| 397 | aagtgggatc | agaagggttat | ggacattgcc | tatgaggagg | cggcctttagg | ttacaaagag | | 840 | |
| 399 | ggtgtgtttc | ctattggcgg | atgtcttatac | aataacaaag | acggaagtgt | tctcggtcgt | | 900 | |
| 401 | ggtcacaaca | tgagatttca | aaagggtatcc | gccacactac | atggtgagat | ctccacttttgc | | 960 | |
| 403 | aaaaactgtg | ggagattaga | gggc当地aaatgt | tacaaagata | ccacttttgc | tacgacgctg | | 1020 | |
| 405 | tctccatgcg | acatgtgtac | aggtgccatc | atcatgtatg | gtattccacg | ctgtgttg | | 1080 | |
| 407 | ggtgagaacg | ttaatttcaa | aagtaaggc | gagaaatatt | tacaaactag | aggtcacgag | | 1140 | |
| 409 | gttgggttttgc | ttgacgtatgc | gagggtgtaaa | aagatcatga | aacaatttat | cgatgaaaga | | 1200 | |
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417 <213> ORGANISM: Artificial Sequence

W--> 418 <220> FEATURE:

419 <223> OTHER INFORMATION: pMC74 plasmid full sequence

421 <400> SEQUENCE: 7

| | | | | | | | |
|-----|------------|------------|------------|------------|------------|-------------|-----|
| 421 | taatacact | cactataggg | agaccacaac | ggttccctc | tagaaataat | tttgtttaac | 60 |
| 422 | ttaagaagg | agatatacat | atggatgtga | agctggtgg | atctggagga | ggcttagtgc | 120 |
| 424 | agcctggagg | gtccctgaaa | ctctcctgt | caacctctgg | attcacttgc | agtgactatt | 180 |
| 426 | acatgtattt | ggtcgcccag | actccagaga | agaggctgg | gtgggtcgca | tacatttagta | 240 |
| 428 | atqatgata | ttccggcgct | tattcagaca | ctgtaaagg | ccggttcacc | atctccagag | 300 |
| 430 | | | | | | | |

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/562,627A

DATE: 07/10/2006

TIME: 10:45:46

Input Set : F:\Substitute CRF Seq Listing 6-05-2006.txt
Output Set: N:\CRF4\07102006\J562627A.raw

L:36 M:283 W: Missing Blank Line separator, <220> field identifier
L:105 M:283 W: Missing Blank Line separator, <220> field identifier
L:174 M:283 W: Missing Blank Line separator, <220> field identifier
L:243 M:283 W: Missing Blank Line separator, <220> field identifier
L:276 M:283 W: Missing Blank Line separator, <220> field identifier
L:367 M:283 W: Missing Blank Line separator, <220> field identifier
L:418 M:283 W: Missing Blank Line separator, <220> field identifier
L:591 M:283 W: Missing Blank Line separator, <220> field identifier
L:764 M:283 W: Missing Blank Line separator, <220> field identifier
L:937 M:283 W: Missing Blank Line separator, <220> field identifier
L:1070 M:283 W: Missing Blank Line separator, <220> field identifier
L:1265 M:283 W: Missing Blank Line separator, <220> field identifier